Serial No.:

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Title: Oligoribonucleotides and Ribonucleases for Cleaving RNA Inventor(s): Stanley T. Crooke
Attorney: Gwilym Attwell Attorney Phone No.: 215 568-3100
Sheet 1 vof 10

FIG.1

H-RAS TARGETED ANTISENSE OLIGOS:

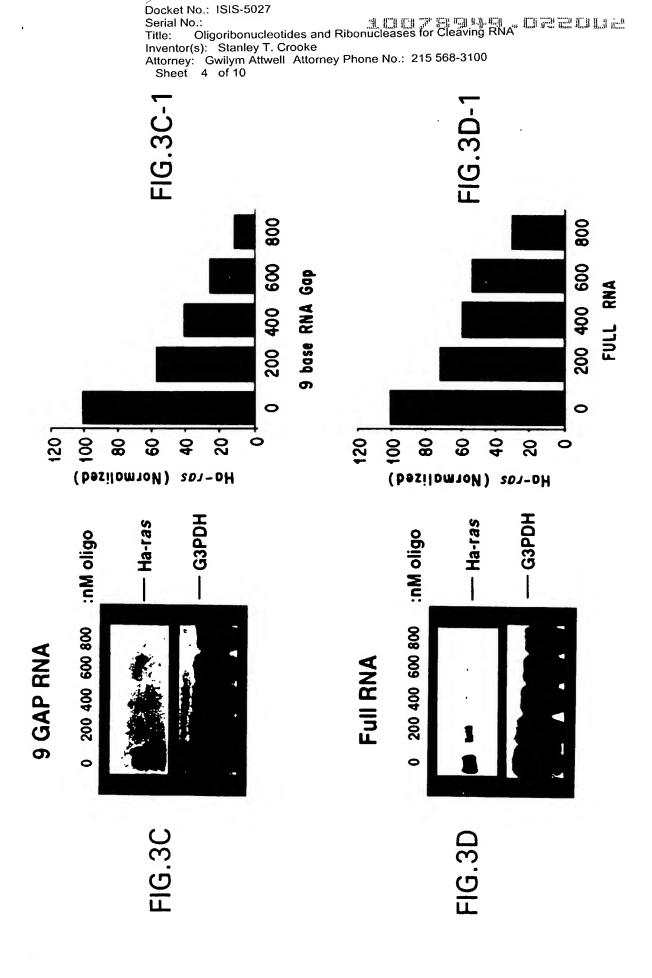
FULL 2' methoxy	CCACACCGACGGCGCCC
3 BASE RNA GAP	
5 BASE RNA GAP	
7 BASE RNA GAP	
9 BASE RNA GAP	
FULL RNA	

Oligoribonucleotides and Ribonucleases for Cleaving RNA Title: Inventor(s): Stanley T. Crooke Attorney: Gwilym Attwell Attorney Phone No.: 215 568-3100 Sheet 2 of 10 200 400 600 800 800 Full 2' Methoxy 200 400 600 3 GAP RNA 0 0 150 120₁ 100 50 40 9 8 20. Ö Ha-ras normalized Ho-ros normalized :nM oligo _63PDH -Ha-ras - Ha-ras :nM oligo 800 800 Full 2' Methoxy 900 900 3 GAP RNA 400 400 200 200 0 0

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Docket No.: ISIS-5027

Serial No.:

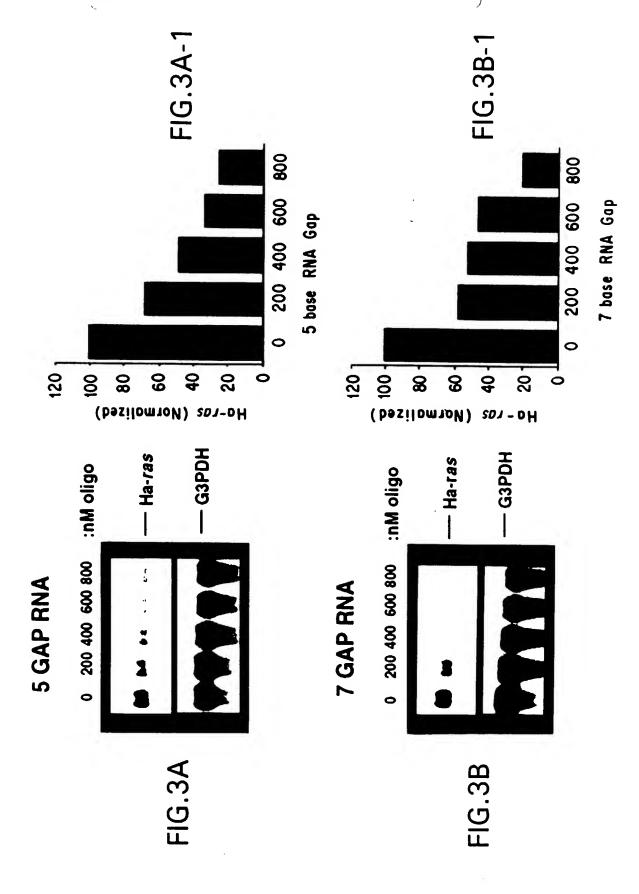


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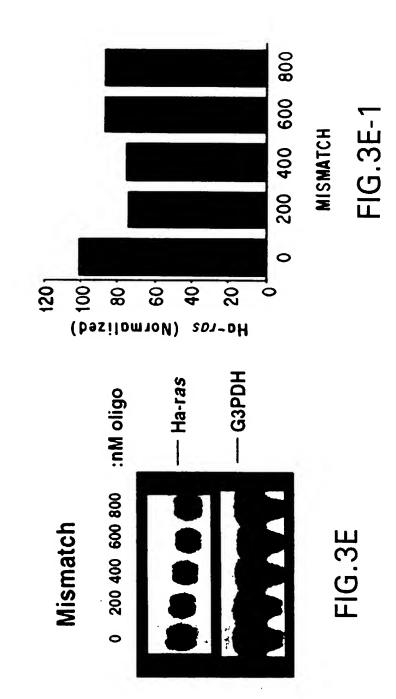
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Inventor(s): Stanley T. Crooke

Attorney: Gwilym Attwell Attorney Phone No.: 215 568-3100 Sheet 5 of 10



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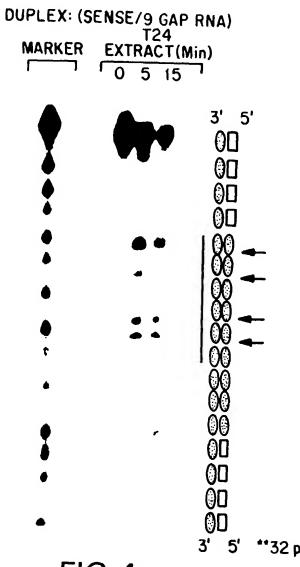


FIG.4

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DUPLEX: (SENSE/9 GAP DNA) (SENSE/DNA) (SENSE/9 GAP RNA)

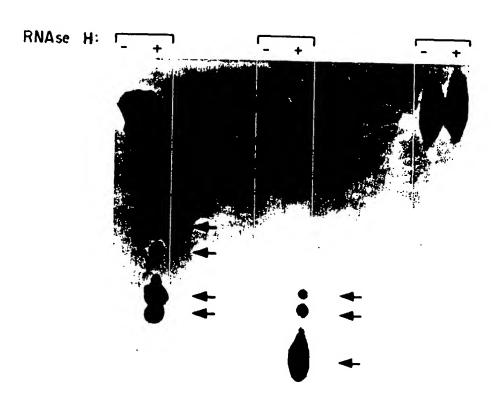
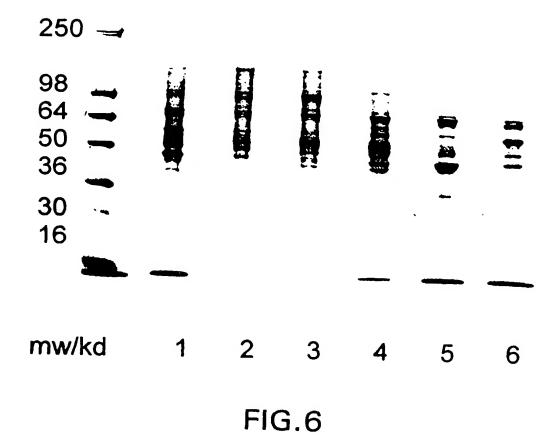


FIG.5

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Serial No.:

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9 10 11 12

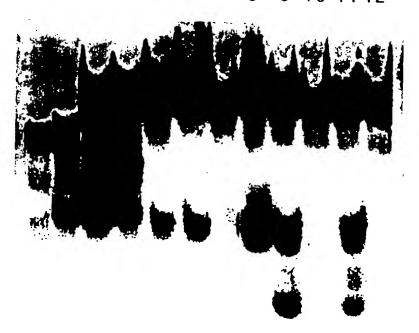


FIG.7

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2 8 9 10

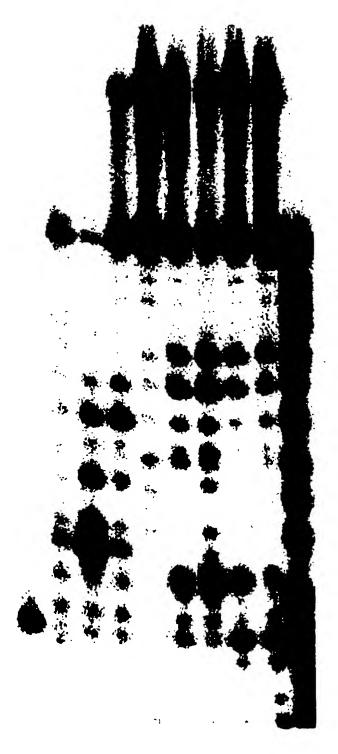


FIG.8